



## Climate change and chronic kidney disease

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### Abstract:

Background: The adverse effects of climate change are detrimental to health, wealth and economy of mostly the poor and low-income communities around the world. These climate changes have bearing on human health evidenced by increase in heat-related illnesses and deaths. It is well documented that acute renal failure is one of the complication in heat stress. All these factors eventually develop repeated subclinical renal dysfunction, which may further develop into chronic kidney disease (CKD). In India CKD is an increasing public health concern with poor outcome. Methods: Renal insufficiency patients who are admitted during January 2011 to December 2012 are selected; in this 198 patients with evidence of CKD were taken as cases. These CKD patients were admitted into Nephrology unit of MIMS hospital, Nellimarla. Results and Conclusion: In our study, most of the CKD (48.4%) cases are registered relatively high between the months of March and May. In the present study, creatinine clearance values using CG, MDRD and MCQE in CKD patients are significantly lowered when compared with control (p

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### Resource Description

#### Exposure :

weather or climate related pathway by which climate change affects health

Temperature

**Temperature:** Extreme Heat, Fluctuations

#### Geographic Feature:

resource focuses on specific type of geography

None or Unspecified

#### Geographic Location:

resource focuses on specific location

Non-United States

**Non-United States:** Asia

**Asian Region/Country:** India



# Climate Change and Human Health Literature Portal

## Health Impact:

specification of health effect or disease related to climate change exposure

Urologic Effect

**Population of Concern:** A focus of content

## Population of Concern:

populations at particular risk or vulnerability to climate change impacts

Workers

## Resource Type:

format or standard characteristic of resource

Research Article

## Timescale:

time period studied

Time Scale Unspecified